Notice of Allowability	Application No.	Applicant(s)	
	09/862,797	GINDIN ET AL.	
	Examiner	Art Unit	
	Linh LD Son	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *05/19/06*.

2. ☒ The allowed claim(s) is/are *1,4-8,11-14, and 22-23*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Sean F. Sullivan on June 8th, 2006.

In the claims:

Canceling claims 15-21 and 24.

Please replace claims 1 and 8 as follow:

1. (currently amended) A method ~~for~~ of creating a proof of possession confirmation for inclusion by a certification authority into a digital certificate, the digital certificate for use by an end user, the method comprising:

receiving, from the certification authority in response to a certificate request by the end user, a plurality of data fields corresponding to a target host system, the identity of the end user, and a proof of identity possession by the end user, said plurality of data fields Further comprising a host name, a subject identification, a subject public key information, and a scaled proof of possession;

analyzing the content of said plurality of data fields by decrypting a proof of possession structure from said scaled proof of possession, extracting a password from said sealed proof of possession structure, extracting a key identifier from said proof of possession stricture and calculating a correct key identifier from said subject public key information;

verifying the accuracy of said plurality of data fields; and

if said plurality of data fields is verified as accurate, sending a signed object to the certification authority, said signed object comprising the proof of possession confirmation, wherein said proof of possession confirmation is constructed in a manner so as to prevent replay attacks by an impostor.

8. (currently amended) ~~A storage medium encoded with a machine readable computer program code for creating a proof of possession confirmation for inclusion by a certification authority into a digital certificate for use by an end user; the storage medium including instructions for causing a computer to implement a method, the method comprising:~~ A computer-readable storage medium comprising:

a computer readable program code for creating, a proof of possession confirmation for inclusion by a certification authority into a digital certificate, the digital certificate for use by an end user; and

instructions for causing a computer to implement a method, the method further comprising:

receiving, from the certification authority in response to a certificate request by the end user, a plurality of data fields corresponding to a target host system, the identity of the end user, and a proof of identity possession by the end user, said plurality of data fields further comprising a host name, a subject identification, a subject public key information, and a sealed proof of possession;

analyzing the content of said plurality of data fields by decrypting a proof of possession structure from said sealed proof of possession, extracting a password from said sealed proof of possession structure extracting a key identifier from said proof of possession structure and calculating a correct key identifier from said subject public key information;

verifying the accuracy of said plurality of data fields; and

if said plurality of data fields is verified as accurate, sending a signed object to the certification authority, said signed object comprising the proof of possession confirmation, wherein said proof of possession confirmation is constructed in a manner so as to prevent replay attacks by an impostor.

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (canceled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

24. (cancelled)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh LD Son whose telephone number is 571-272-3856. The examiner can normally be reached on 9-6 (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Linh LD Son
Examiner
Art Unit 2135

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KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100